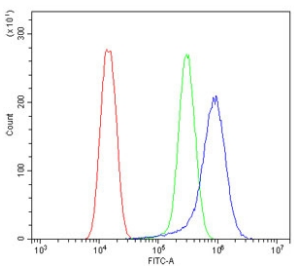
LGI1 Antibody / Leucine-rich glioma inactivated 1 (RQ5737)

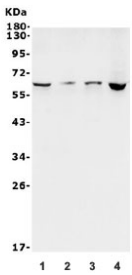
Catalog No.	Formulation	Size
RQ5737	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O95970
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This LGI1 antibody is available for research use only.



Flow cytometry testing of human U-2 OS cells with LGI1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LGI1 antibody.



Western blot testing of 1) human SH-SY5Y, 2) rat C6, 3) mouse Neuro-2a and 4) human HEK293 lysate with LGI1 antibody. Predicted molecular weight ~64 kDa.

Description

Leucine-rich, glioma inactivated 1, also known as LGI1, is a protein which in humans is encoded by the LGI1 gene. This gene encodes a member of the secreted leucine-rich repeat (LRR) superfamily and shares homology with members of the SLIT protein family. The encoded protein may regulate the activity of voltage-gated potassium channels and may be involved in neuronal growth regulation and cell survival. This gene is rearranged as a result of translocations in glioblastoma cell lines, and it is frequently down-regulated or rearranged in malignant gliomas. Mutations in this gene result in autosomal dominant lateral temporal epilepsy. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the LGI1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K35-A557) was used as the immunogen for the LGI1 antibody.

Storage

After reconstitution, the LGI1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.